

UNITED STATES DEPARTMENT OF AGRICULTURE,
FEDERAL HORTICULTURAL BOARD,
WASHINGTON, D. C.

December 28, 1914.

NEWS LETTER NO. 15.

BUREAU OF ENTOMOLOGY
RECEIVED
JAN - 7 1915

U. S. Department of Agriculture.

Dear Sir:

Practically all of the pests listed in this letter, representing the results of nursery stock inspection reported to this office since December 3, 1914, have been reported in previous lists. Perhaps one of the most important records is the finding of the larvae of what appears to be an undescribed curculio (Conotrachelus sp.) in avocado seeds imported from Guatemala. The number of larvae per seed varied from one to five, and the injury occasioned is quite similar to that of the avocado weevil (Heilipus lauri).

A single specimen of the banana borer (Sphenophorus sordidus) was found in a small banana plant from Brazil. This insect is reported to be a serious pest to banana plantations in the Fiji Islands.

Of interest to collaborators of the Board will be Quarantine No. 19, prohibiting the entry into the United States from all foreign countries of all citrus nursery stock, including buds, scions, and seeds, to prevent the further introduction of citrus canker and other citrus diseases. This quarantine covers all the citrus plants, including the orange, lemon, lime, grape-

fruit, pumelo, shaddock, citron, kumquat, the trifoliate orange, African cherry-orange, etc., and also related plants such as the wampi, orange-jessamine, bael-fruit, woodapple, tabog, etc., namely, the plants included in the subfamily or tribe Citratae or Aurantieae of the family Rutaceae. No citrus nursery stock loaded on and after January 1, 1915, as shown by consular invoices, will be permitted entry. This quarantine does not apply to the fruits of the plants named.

The European pine shoot moth (Evetria buoliana), which was made the subject of a warning letter issued from the branch of Forest Insect Investigations of the Bureau of Entomology of this Department, October 26, 1914, is a pest of such importance, and the likelihood of its entry is so great, as to lead to the serious consideration of issuing a quarantine prohibiting the further importation into the United States of foreign pines, supplementing and extending the present quarantine, which applies to all five-leaved pines from Europe and Asia.

Yours very truly,

C. L. MARLATT,

Chairman of Board.

List by Countries of Pests Collected.

(The number in parentheses following name of host indicates the number of times reported. Absence of number indicates one report).

Name of Pest.	Host.
<u>ALGERIA.</u>	
<i>Calandra oryza</i> (Rice weevil)	Barley
<u>AUSTRALIA.</u>	
<i>Aspidiotus hederæ</i> (Ivy scale)	<i>Macrozamia Miquelii</i>
" " " "	" Moorei
<i>Diaspis echinocacti cacti</i> (Scale insect)	<i>Opuntia</i>
<i>Pseudococcus</i> sp. (Mealy bug)	<i>Macrozamia Miquelii</i>
" " " "	" Moorei
Disease:	
<i>Hendersonia opuntiae</i> (?)	<i>Opuntia</i>
<u>Belgium.</u>	
<i>Aleyrodes</i> sp. (White fly)	Azaleas (45)
<i>Aspidiotus britannicus</i> (Scale insect)	Bays (2)
" <i>hederæ</i> (Ivy scale)	Palms (9)
" <i>lataniae</i> (Scale insect)	Palms
Bud moth (?) (larva)	Azaleas
Caterpillar, feeding on foliage	"
<i>Chrysomphalus dictyospermi</i> (Scale insect)	Palms (4)
<i>Coccus hesperidum</i> (Soft brown scale)	Bays (4)
Cocoon, empty	Azaleas
<i>Eucalymnatus tessellatus</i> (Scale Insect)	Palms
<i>Gracilaria azaleae</i> (Leaf miner)	Azaleas (21)
<i>Heliothrips haemorrhoidalis</i> (Greenhouse thrips)	Palms
<i>Hemichionaspis aspidistrae</i> (Scale insect)	<i>Aspidistras</i> (2)
Larvae	Azaleas (6)
Leaf crumplers	Azaleas
" hopper	"
" rollers	" (7)
" tyer	Azaleas
<i>Lecanium</i> sp. (Scale insect)	"
Lepidopterous egg mass	"
" larva	"
" pupa	"
<i>Lepidosaphes ulmi</i> (Oyster-shell scale)	Boxwood

Name of Pest.	Host.
<u>BELGIUM</u> (Continued).	
Leptobyrssa explanata (?) eggs	Rhododendrons
Mites, red	Azaleas
Noctuid, adult, sp. of Agrotinae	"
" (?) larva	"
Notolophus sp. (Moth)	"
Peronea schalleriana (Tortricid)	"
Pseudococcus nipae (Palm mealy bug)	Palms
" sp. (?) (Mealy bug?)	Araucaria
Pupae	Azaleas (3)
Pupa cases	" (2)
Saissetia hemisphaerica (Hemispherical scale)	Palms
" oleae (Black scale)	"
Scale insect	Azaleas
Thrips	" (5)
Tingitid eggs	Rhododendrons
Diseases:	
Chrysomyxa rhododendri	Azaleas
Exoascus	" (42)
Exobasidium	" (2)
" vaccinii	"
Leaf spot	"
Pestalozzia guepini	Rhododendrons
" sp.	" (2)
Rust	Azaleas (27)

BRAZIL.

Bruchus sp. (Weevil)	In seed of "Barbitimao."
Sphenophorus sordidus (Banana Borer)	Banana

CHINA.

Calandra oryza (Rice weevil)	Hordeum sp.
Rhizopertha dominica (Lesser grain borer)	" "
Sitotroga cerealella (Angoumois grain moth)	" "

Name of Pest.	Host.
<u>ENGLAND.</u>	
Aphis sp. (Plant louse)	Tulip bulbs
Chrysomphalus dictyospermi (Scale insect)	Palms
Rhopalosiphum dianthi (?)	Tulip bulbs
Diseases:	
Bacterium tumefaciens (Crown gall)	Pear
" " " "	Rose stocks
Root gall	" "
<u>GUATEMALA.</u>	
Ants	Orchids
Conotrachelus sp. (Curculio)	Avocado seeds
Isosoma orchidearum (Cattleya fly) (indications of)	Orchids
Lecanium sp. (Scale insect)	Avocado budwood
Targionia biformis (Scale insect)	Orchids
<u>HOLLAND.</u>	
Acronycta rumicis (?) cocoon of	Manetti rose stocks
Aleyrodes sp. (White fly)	Azaleas
Aphids (Plant lice)	Acers
Aspidiotus hederæ (Ivy scale)	Evergreen shrubs
" sp. (Scale insect)	Lilac (2)
Asterochiton sp. (?)	Rhododendrons
Carabus granulatus (Beetle)	In box with roses
Chermes piceæ (?)	Abies nordmanniana (2)
Leaf miner	Rhododendrons
Lepidopterous larva	Deciduous tree
" pupæ, parasitized	Juniperus
Lepidosaphes ulmi (Oyster-shell scale)	Boxwood (14)
" " " " "	Hollies
" " " " "	Malus
Macrocentrus (?) sp.	Azaleas
Malacosoma sp. (Egg mass of)	Laurus
Mite eggs	Abies kosteri
" "	Juniperus procumbens
Notolophus antiqua (European tussock moth) egg mass	Roses
" " " " " "	Manetti rose stocks
Pyralid pupæ	Rhododendrons
" "	Aucuba
Scale insect	Japan maple
Tingitid eggs (Lacewing)	Rhododendrons (2)

Name of Pest.	Host.
<u>HOLLAND (Continued).</u>	
<u>INDIA.</u>	
Rhizopertha dominica (Lesser grain borer)	Wild wheat
Disease:	
Smut	Barley (2)
<u>ITALY.</u>	
Lepidosaphes beckii (?) (Purple scale) (?)	Citrus trees
<u>JAPAN.</u>	
Balaninus sp. (prob. camelliae)	Imperial chestnuts
<u>NORTHERN NIGERIA.</u>	
Laemophloeus minutus (Small grain beetle)	Sorghum
<u>PHILIPPINE ISLANDS.</u>	
Monomorium sp. (Ant)	Crawling about case of orchids.
<u>TRANSVAAL (SOUTH AFRICA).</u>	
Phanerotoma sp.	Oil beans
Phycitia sp.	" "
<u>VENEZUELA.</u>	
Aspidiotus hederae (Ivy scale)	Orchids

List by States of Pests Collected.

(The number in parentheses following name of country indicates the number of times reported. Absence of number indicates one report).

Name of Pest.	Host.	Country of origin.
<u>CALIFORNIA.</u>		
Aleyrodes sp. (White fly)	Azaleas	Belgium
Aspidiotus britannicus (Scale insect)	Bays	" (2)
" hederæ (Ivy scale)	Macrozamia Moorei	Australia
" " " "	" Miquelii	"
" " " "	Orchids	Venezuela
" " " "	Palms	Belgium (2)
" lataniae (Scale insect)	"	"
" sp. (Scale insect)	Lilac	Holland (2)
Coccus hesperidum (Soft brown scale)	Bays	Belgium (2)
Lecanium sp. (Scale insect)	Avocado budwood	Guatemala
Lepidosaphes ulmi (Oyster-shell scale)	Boxwood	Holland (5)
" " " " "	"	Belgium
" " " " "	Hollies	Holland
Pseudococcus sp. (Mealy bug)	Macrozamia Moorei	Australia
" " " " "	" Miquelii	"
Saissetia hemisphaerica (Hemispherical scale)	Palms	Belgium
" oleæ (Black scale)	"	"
Thrips	Azaleas	"

CONNECTICUT.

Acrionecta rumicis (?) cocoon of	Manetti rose stocks	Holland
Disease:		
Bacterium tumefaciens (Crown gall)	Roses	" (3)
" " " "	"	England

DISTRICT OF COLUMBIA.

Aphids (Plant lice)	Acers	Holland
Aphis sp. (Plant lice)	Tulip bulbs	England
Aspidiotus hederæ (Ivy scale)	Palms	Belgium
Balaninus sp. (probably camelliae)	Imperial chestnuts	Japan
Bruchus sp. (Weevil)	In seed of "Barbitimao."	Brazil
Calandra oryza (Rice weevil)	Barley	Algeria
Conotrachelus sp. (Curculio)	Avocado Seed	Guatemala

Name of Pest.	Host.	County of origin.
<u>DISTRICT OF COLUMBIA</u> (Continued).		
Diaspis echinocacti cacti (Scale insect)	Opuntia	Australia
Eucalymnatus tessellatus " "	Palms	Belgium
Heliothrips haemorrhoidalis (Greenhouse thrips)	Palms	"
Laemophloeus minutus (Small grain beetle)	Sorghum	Northern Nigeria
Lepidosaphes ulmi (Oyster-shell scale)	Boxwood	Holland
" " " " "	Malus	"
Malacosoma sp., egg mass of	Laurus	"
Phanerotoma sp.	Oil beans	Transvaal
Phycitia sp.	" "	"
Pseudococcus nipae (Palm mealy bug)	Palms	Belgium
Rhizopertha dominica (Lesser grain borer)	Wild wheat	India
Rhopalosiphum dianthi (?) (Plant Louse)	Tulip bulbs	England
Sphenophorus sordidus (Banana Borer)	Banana	Brazil
Diseases:		
Exobasidium	Azaleas	Belgium
Hendersonia opuntiae (?)	Opuntia	Australia

GEORGIA.

Aspidiotus hederæ (Ivy scale)	Evergreen shrubs	Holland
Caterpillar, feeding on foliage	Azaleas	Belgium
Coccus hesperidum (Soft brown scale)	Bay trees	"
Cocoon, empty	Azaleas	"
Gracilaria azaleæ (?) (Leaf miner)	"	"
Hemichionaspis aspidistrae (Scale insect)	Aspidistras	"
Leaf hopper	Azaleas	"
Lepidopterous larva	Deciduous tree	Holland
" "	Azaleas	Belgium
Macrocentrus (?) sp.	"	Holland
Noctuid (?) larva	"	Belgium
Scale insect	"	"
Thrips	"	"

HAWAII.

Monomorium sp. (Ant) Crawling about base of orchids. Phillippine Islands.

Name of Pest.	Host.	Country of origin.
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ILLINOIS.

Aleyrodes sp. (White fly)	Azaleas	Belgium(4)
Gracilaria azaleae (?) (Leaf miner)	"	" (6)
Leaf crumplers	"	"
Lepidopterous pupa	"	"
Thrips	"	" (2)
Diseases:		
Exobasidium (?)	"	"
Leaf spot	"	"

INDIANA.

Asterochiton sp. (?)	Rhododendrons	Holland
Gracilaria azaleae (Leaf miner)	Azaleas	Belgium
Leaf tyer	"	"
Lepidopterous egg mass	"	"
" pupae (parasitized)	Juniperus	Holland
Pyralid pupae	Aucuba	"
" "	Rhododendrons	"
Disease:		
Pestalozzia guepini	"	"

IOWA.

Aleyrodes sp. (White fly)	Azaleas	Holland
" " " "	"	Belgium(21)
Larvae	"	" (6)
Leaf rollers	"	" (5)
Pupa case	"	" (2)
Pupa	"	"
Thrips	"	"
Diseases:		
Exoascus	Azaleas	" (42)
Root gall	Rose stocks	England
Rust	Azaleas	Belgium(27)

Name of Pest.	Host.	Country of origin.
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KANSAS.

Carabus granulatus (Beetle)	In box with roses	Holland
Leaf roller	Azaleas	Belgium
Diseases:		
Chrysomyxa rhododendri	"	"
Exobasidium vaccinii	"	"

KENTUCKY.

Leaf miner	Rhododendrons	Holland
Leaf roller	Azaleas	Belgium
Lepidosaphes ulmi (Oyster-shell scale)	Boxwood	Holland(2)
Disease:		
Fungus, stem	Aucubas	"

MAINE.

Lepidosaphes beckii (?) (Purple scale)(?)	Citrus trees	Italy
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MARYLAND.

Disease:		
Sphaerotheca pannosa (Powdery mildew)	Roses	Holland

MASSACHUSETTS.

Gracilaria azaleae (Leaf miner)	Azaleas	Belgium (13)
Notolophus antiqua (European tussock moth)	(egg mass) Manetti rose stocks	Holland
Peronea schalleriana(Tortricid)	Azaleas	Belgium
Pupa	"	"
Disease:		
Bacterium tumefaciens (Crown gall)	Roses	Holland

MICHIGAN.

Mites, red	Azaleas	Belgium
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Name of Pest.	Host.	Country of origin.
<u>NEW JERSEY.</u>		
Aleyrodes sp. (White fly)	Azaleas	Belgium(8)
Ants	Orchids	Guatemala
Aspidiotus hederæ (Ivy scale)	Palms	Belgium(3)
Chrysomphalus dictyospermi (Scale insect)	"	" (4)
" " " "	"	England
Hemichionaspis aspidistrae " "	Aspidistra	Belgium
Isosoma orchidearum (Cattleya fly), (indications of)	Orchids	Guatemala
Notolophus antiqua (European tussock moth) (Egg mass)	Roses	Holland
Targionia biformis (Scale insect)	Orchids	Guatemala
Tingitid eggs	Rhododendrons	Belgium
"	"	Holland(2)
Disease:		
Bacterium tumefaciens (Crown gall)	Pear	England

OHIO.

Bud moth (?), larva of.	Azaleas	Belgium
Scale insect	Japan maple	Holland

PENNSYLVANIA.

Aleyrodes sp. (White fly)	Azaleas	Belgium (10)
Aspidiotus hederæ (Ivy scale)	Palms	" (2)
Chermes piceæ (?)	Abies nordmanniana	Holland (2)
Lepidosaphes ulmi (Oyster-shell scale)	Boxwood	" (6)
Leptobyrza explanata (?) eggs	Rhododendrons	Belgium
Mite eggs	Juniperus procumbens	Holland
" "	Abies kosteri	"
Pseudococcus sp. (?) (Mealy bug) (?)	Araucaria	Belgium
Pupa	Azaleas	"
Diseases:		
Pestalotzia sp.	Rhododendrons	Holland (2)
" "	"	Belgium (2)

SOUTH CAROLINA.

Aleyrodes sp. (White fly)	Azaleas	Belgium
Aspidiotus hederæ (Ivy scale)	Palms	"
Lecanium sp. (Scale insect)	Azaleas	"

Name of Pest.	Host.	Country of origin.
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TEXAS.

Coccus hesperidum (Soft brown scale)	Bay trees	Belgium
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VERMONT.

Noctuid, adult, sp. of Agrotinae.	Azalea	Belgium
Notolophus sp. (Moth)	"	"

WEST VIRGINIA.

Disease:

Pestalozzia guepini	Rhododendrons	Belgium
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WISCONSIN.

Calandra oryza (Rice weevil)	Hordeum sp.	China
Rhizopertha dominica (Lesser grain borer)	" "	"
Sitotroga cerealella (Angoumois grain moth)	" "	"

Diseases:

Smut	Barley	India (2)
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